

Wallace County

8/31/2020

Background Statistics¹

Number of farms: 281

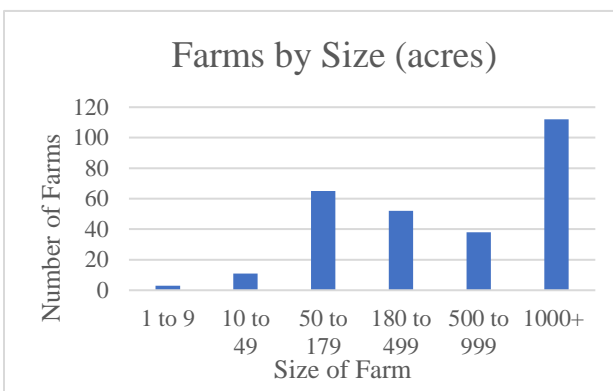
Average size: 1,587 acres

Land in farms: 445,809 acres

Average value of products sold per farm: \$291,052

Average net cash farm income per farm: \$72,040

1: Data from USDA 2017 Census of Agriculture



Estimated Economic Contribution of Agriculture and Agriculture Related Sectors to the Wallace County Economy

Methodology

The estimated economic contribution of agriculture and agriculture related sectors was computed using the most recent IMPLAN data available (2018) adjusted for 2020. The IMPLAN modeling system was used to calculate the results of this analysis. The IMPLAN model was constructed so that double counting was avoided. For this report, 12 of the 71 agriculture and agriculture related sectors in Kansas were identified and analyzed to determine their overall contribution to the Wallace County economy.

Results

These 12 sectors have a total direct output of approximately **\$130.6 million** and account for **533 jobs** in Wallace County. Running the model for all 12 sectors simultaneously produces the following results:

Agriculture, Food, and Food Processing Sector Contribution to Overall Wallace County Economy					
Contribution Type	Employment	% Employment	Total Value Added	% of Gross Regional Product	Output
Direct Effect	533	44%	\$33,000,000	35%	\$130,600,000
Indirect Effect	41	3%	\$3,900,000	4%	\$8,600,000
Induced Effect	45	4%	\$3,200,000	3%	\$5,800,000
Total Effect	619	51%	\$40,100,000	42%	\$145,100,000

NOTE: Individual effects may not equal the total effect due to rounding.

As shown in the above table, agriculture, food, and food processing sectors support a total of **619 jobs**, or **51%** of the entire workforce in the county. The total final sales of all products in these sectors is approximately **\$145.1 million**.

Another metric used to calculate the importance of sectors in an economy is their value added as a percentage of Gross Regional Product (GRP). Total value added by the 12 agriculture, food, and food processing sectors is approximately **\$40.1 million**, or **42%** of the GRP.

Top Ten Sectors by Employment

Out of the agriculture and agriculture related sectors, support activities for agriculture and forestry is the top employer with **191 jobs**. This table also illustrates the top ten sectors by total employment, including direct, indirect, and induced in Wallace County.

Sector	Total Employment
Support activities for agriculture and forestry	191
Grain farming	146
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	132
Other animal food manufacturing	32
Animal production, except cattle and poultry and eggs	21
All other crop farming	9
Other real estate	8
Full-service restaurants	6
Wholesale - Other nondurable goods merchant wholesalers	6
Accounting, tax preparation, bookkeeping, and payroll services	4

Top Ten Sectors by Output

The grain farming sector contributes approximately **\$58.2 million** to the Wallace County economy. The table below shows the top ten sectors by output, which is the total amount of direct, indirect, and induced revenue generated by a sector.

Sector	Total Output
Grain farming	\$58,200,000
Other animal food manufacturing	\$33,900,000
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$22,800,000
Support activities for agriculture and forestry	\$10,000,000
Animal production, except cattle and poultry and eggs	\$3,900,000
Owner-occupied dwellings	\$2,100,000
Wholesale - Other nondurable goods merchant wholesalers	\$1,800,000
Other real estate	\$1,300,000
Rail transportation	\$1,200,000
Oilseed farming	\$700,000

All Direct Sectors

Below is a summary of all agriculture data with employment levels and output level. These values can tell how many jobs are represented by each agriculture, food, and food processing sector and the output they contributed to the Wallace County economy. IMPLAN sectors are assigned based on North American Industry Classification System (NAICS) codes. Generally, this analysis includes three categories; production, manufacturing/processing, and services. Note that this analysis does not include wholesale or retail sales of final products, or ethanol production.

Sector	Total Output	Total Employment
Grain farming	\$58,176,605.92	145.96
Other animal food manufacturing	\$33,888,561.93	32.09
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$22,801,777.02	131.67
Support activities for agriculture and forestry	\$9,975,089.18	190.88
Animal production, except cattle and poultry and eggs	\$3,937,155.46	20.73
Oilseed farming	\$667,764.69	0.48
Nitrogenous fertilizer manufacturing	\$459,576.94	0.48
All other crop farming	\$453,463.31	9.43
Breweries	\$163,835.50	0.48
Bread and bakery product, except frozen, manufacturing	\$51,638.69	0.41
Frozen cakes and other pastries manufacturing	\$35,488.68	0.41
Poultry and egg production	\$11,039.27	0.01

The following terms are used throughout the results shown in this report:

- **Direct effect:** the contribution from agricultural and food products
- **Indirect effect:** the contribution from farms and agricultural businesses purchasing inputs from supporting industries within the state
- **Induced effect:** the contribution from employees of farms, agricultural businesses, and supporting industries spending their wages on goods and services within the state
- **Value added** = labor income + indirect business taxes + other property type income
- **Gross Regional Product** = final demand of households + government expenditures + capital + exports – imports – institutional sales
- **Output** = intermediate inputs + value added
- **Employment:** full-time/part-time annual average i.e., 1 job lasting 12 months = 2 jobs lasting 6 months each = 3 jobs lasting 4 months each. A job is neither full-time nor part-time.
- Due to confidentiality policies that exist within several agencies from which IMPLAN collects their data, some sectors in some regions may not have all data available.

For more information, contact the Division of Agricultural Marketing, Advocacy and Outreach Agency Economist
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